

Global Maritime Awareness

Office of Global Maritime Situational Awareness

Capt. George E McCarthy, USN

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Office of Global Maritime Situational Awareness

A National Coordination Office

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Policy Evolution...



National Security Directive 41 /
Homeland Security Presidential
Directive 13, Dec. 2004.

The National Strategy
for
Maritime Security

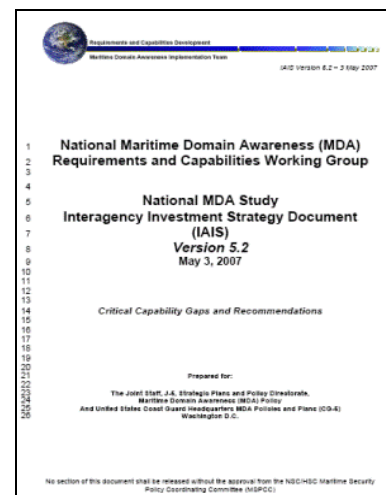
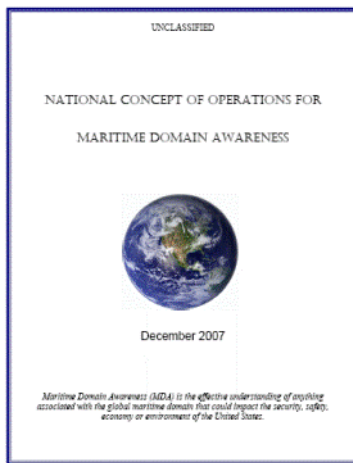
September 2005

The National
Strategy for
Maritime Security,
Sept. 2005.

National Concept of
Operations for MDA,
Aug. 2007.

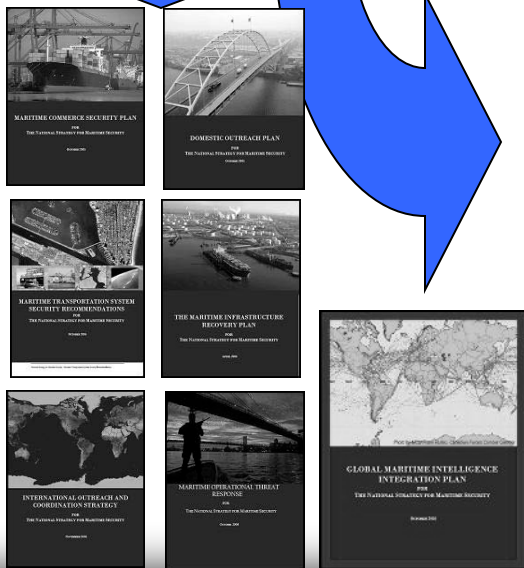
Interagency
Investment Strategy,
May 2007.

The National Plan
to Achieve MDA,
Oct. 2005.



NATIONAL PLAN TO ACHIEVE
MARITIME DOMAIN AWARENESS
FOR
THE NATIONAL STRATEGY FOR MARITIME SECURITY

OCTOBER 2005





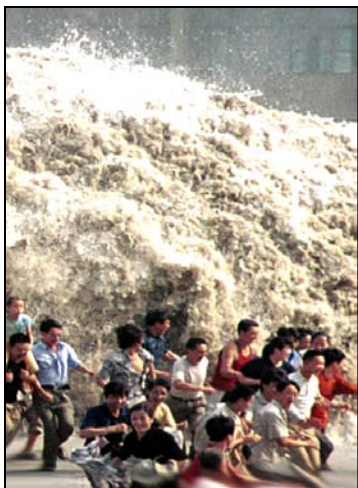
Who is OGMSA ?

A multi-agency office responsible for effective access to maritime information and data critical to building maritime awareness

Vision: Global maritime information exchange to improve decision making



Why Maritime Information Sharing ?



**Do you have the
information you need to
do your job effectively?**



Forge a culture of collaboration

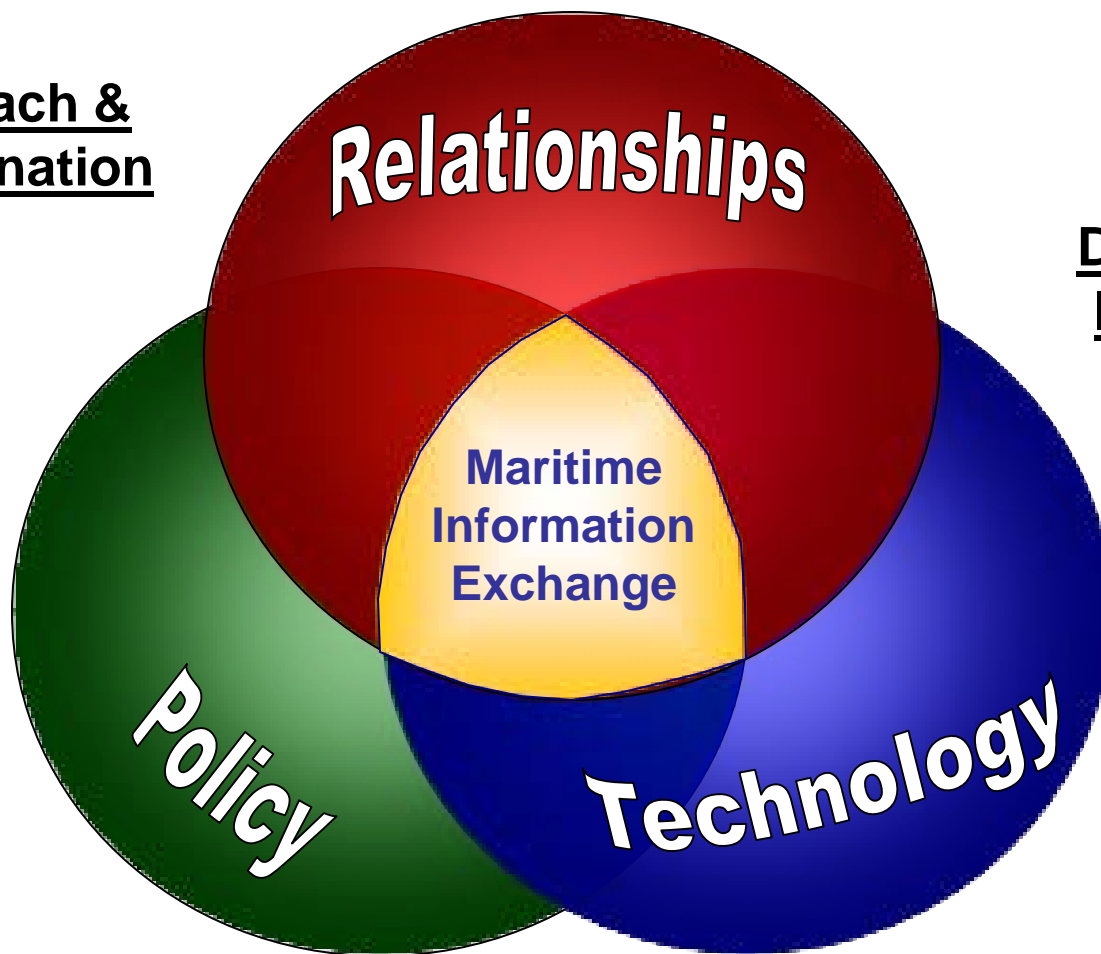


How ?

Outreach &
Coordination

Data Sharing &
Infrastructure

Plans &
Policy



Three-pronged Approach



Current Initiatives Involving GMSA

Technology

Policy

Relationships

- Maritime Security Inter-Agency Policy Committee
- MDA Executive Steering Committee
- MDA Stakeholders Board
- Inter-Agency Investment Strategy
- Marine Spatial Planning

- Information Sharing Hubs (Vessel Cargo/People/Infrastructure)
- Architecture Management Hub
- Single Web Portal to MDA Information
- Information Sharing Dispute Resolution

- Maritime Safety and Security Information System
- IALA.NET
- Space Based AIS

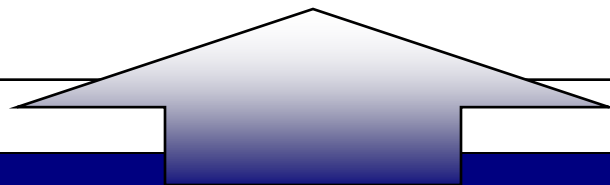
- Global Maritime Information Sharing Symposium
- Global Maritime Partnership
- MDA Web Presence



Interagency Policy Coordination

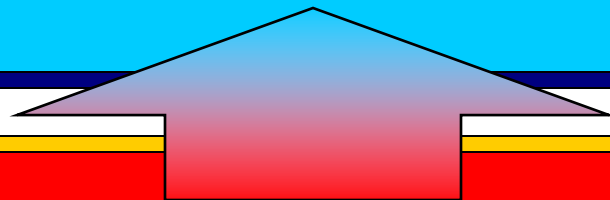


President of the United States



National Security Council

Maritime Security Interagency Policy Committee

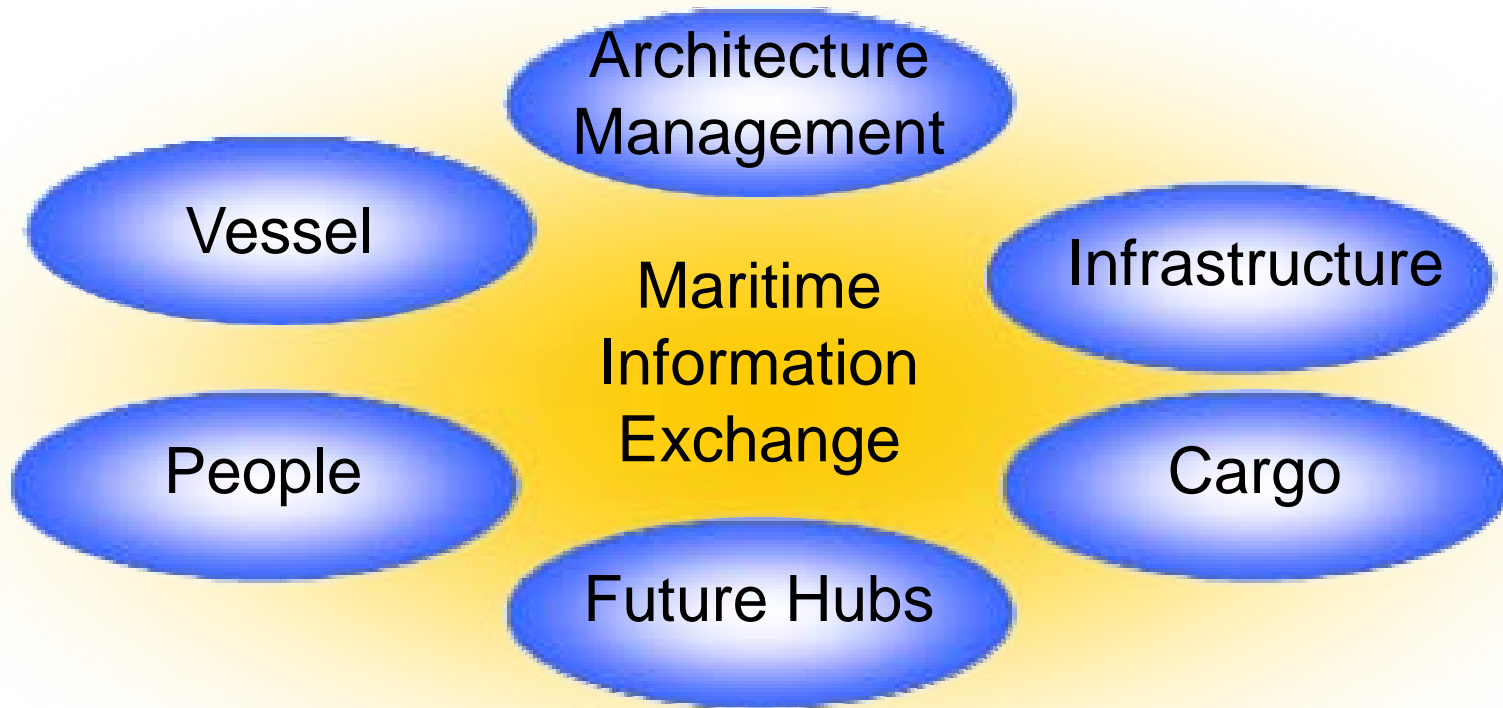


Office of Global Maritime Situational Awareness

U.S. Maritime Domain Awareness Stakeholders Board



Increasing & Coordinating Data Sharing

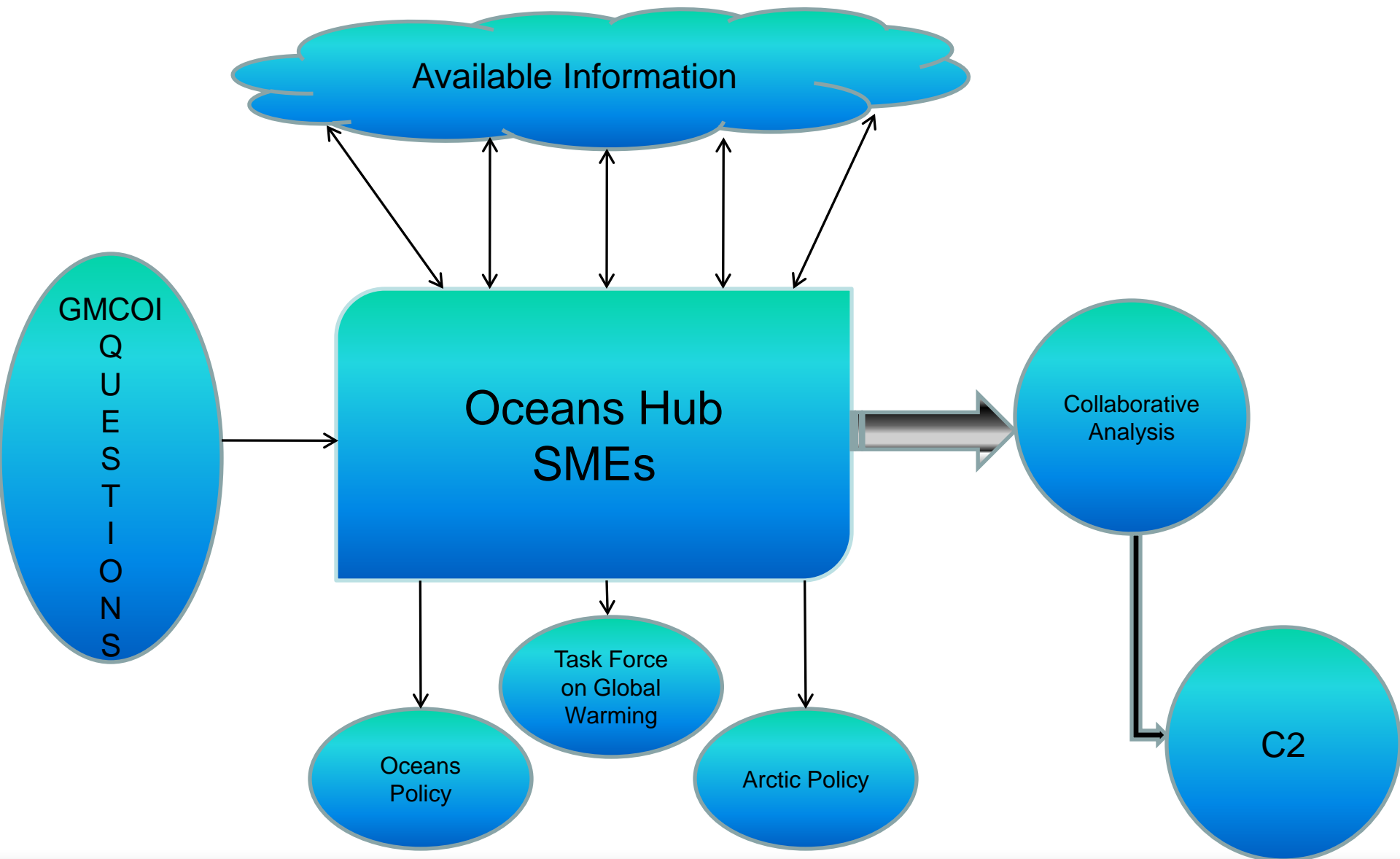


*... coordinate information flow for subject areas domestically and internationally and facilitate information and data sharing.**

** US National Concept of Operations for Maritime Domain Awareness*



Oceans Hub Concept





Maritime Safety & Security Information System

A non-classified, multi-lateral, freely shared data network exchanging AIS data between participating governments. Data is:

- Shared in original form, unaltered
- Distributed in near real-time
- Contributed by a Nation to obtain a more global picture
- Protected by commercially accepted Internet standards.

Now establishing an International Governance Board to include global Regional Representatives.

A tool for building trust among nations.

IALA's "Network of Networks"

IALA
Global Maritime Data Sharing Committee

*In advisory role to and between each regional AIS data exchange network
providing guidelines and protocols for their inter-connection*

AIS, Radar, VTS, E-Navigation, Notice to Mariners ...

"AIS Live"
UK

"MSSIS"
US/NATO

"EMSA"
EU

"HELCOM"
Denmark

"ReMix"
Singapore

"MSA"
China

Examples of Existing Regional Data Sharing Networks



\$100,000+ per day (CAPEX+OPEX)
138,000 cbm of Liquefied Natural Gas
= approx 3 million BTU of energy
Average Speed of 19 knots

Please hold while we:
Ask for more information
Form a convoy
Decide the Policy
Connect your call...



GLOBAL MARITIME INFORMATION SHARING SYMPOSIUM 2010

July 2010 – Dates TBD
NATIONAL DEFENSE UNIVERSITY
FORT LESLEY J. MCNAIR
WASHINGTON, D.C.



**Ensuring industry perspectives
in maritime policy.**

U.S. Navy photo



OFFICE OF GLOBAL MARITIME SITUATIONAL AWARENESS

www.gmsa.gov/gmiss



Who Benefits from Info Sharing ?

Greater information sharing across: Weather data, Stock Exchanges, Cash Machines, Cellular, GPS, Air Traffic each resulted in:

- **Exponentially greater benefits than originally envisioned.**
- **Greater security through global standards.**
- **Greater awareness & recognition between friend and foe.**

So why not in the maritime world ?

Maritime Safety: Broader, more cooperative & efficient search & rescue.

Environmental Protection: Replay of vessels transits = focused enforcement.

Commercial Efficiency: Reduced fuel usage, carbon emissions, delay costs and improved port through-puts.



Mutual Beneficial Awareness...





For More Information

www.gmsa.gov

Office of Global Maritime Situational Awareness (OGMSA) - Micro: UNCLASSIFIED U.S. Coast Guard

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From the Director

Director OGMSA is responsible for effective access to maritime information and data critical to building the situational awareness component of Global Maritime Domain Awareness. Read the latest updates from Director GMSA about key Maritime Awareness issues.

GMSA Update

OGMSA provides coordination and guidance to align, integrate and synchronize the efforts of the global maritime community of interest to ensure access to maritime information and data critical to building the situational awareness component of global Maritime Domain Awareness. Find out what OGMSA is doing to achieve maritime awareness.

Developments in Maritime Awareness

Building effective Maritime Awareness depends on the efforts of federal, tribal, state and local government agencies; industry; academic institutions; non-governmental agencies; and other subject matter experts around the world. Find out how the maritime community of interest is building maritime awareness.

Maritime Awareness Wiki

The Maritime Awareness Wiki is a forum in which the Global Maritime Community of Interest can collaborate on building a Maritime Awareness body of knowledge to promote common understanding and share best practices. Keep up with this developing body of knowledge.

Global Maritime Information Sharing Symposium (GMISS)

The Global Maritime Information Sharing Symposium (GMISS) is an annual event hosted by the Office of Global Maritime Situational Awareness (OGMSA) to align U.S. Government outreach to the maritime industry and improve and increase industry-government maritime information sharing partnerships. Learn more about how to benefit from GMISS.

Transforming Interagency Information Sharing Workshop

Transforming Interagency Information Sharing is a workshop for members of the U.S. Government Maritime Community of Interest – those of us who monitor, collect, fuse, analyze, disseminate, archive, or maintain maritime information to accomplish our missions. Through this workshop and accompanying Wiki, we are working together to transform the policies that stand in the way of effective and efficient maritime information sharing. Get involved in transforming government.

MAVIEW

<http://www.gmsa.gov/twiki/bin/view/Main/DevelopmentsinMaritimeAwareness>

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